

1. A method of displaying a view of a scene on an electronic display, comprising:
  - presenting a main window;
  - presenting a secondary window adjacent the main window;
  - providing a first and a second image, wherein the first and second images overlap one another by at least 50%;
  - removing a portion of the first image and displaying a remainder of the first image in the main window;
  - removing a portion of the second image and displaying a remainder of the second image in the secondary window; and
  - wherein, a composite image comprising the remainder of the first image displayed adjacent the remainder of the second image provides a selected view extracted from a total scene captured in the sum of the first and second images.
2. The method according to claim 1, wherein the first and second image are taken by multiple camera angles from a single camera location.
3. The method according to claim 1, wherein the composite image is displayed on a television display, and wherein the secondary window comprises a picture-in-picture window.
4. The method according to claim 1, wherein the first and second images are identified within a transport stream by first and second packet identifiers respectively.
5. The method according to claim 1, wherein the first and second images are identified within a recorded medium by first and second packet identifiers respectively.

1       6.     The method according to claim 1, further comprising:  
2             receiving a command to pan the view;  
3             identifying portions of the first and second images to remove in order to  
4             create the remainder of the first image and the remainder of the second image to  
5             produce the panned view;  
6             removing the identified portions of the first and second images to create the  
7             remainder of the first image and the remainder of the second image to produce the  
8             panned view; and  
9             displaying the panned view by displaying the remainder of the first image  
10            and the remainder of the second image in the main and secondary windows  
11            respectively.

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13       7.     The method according to claim 1, carried out in one of a DVD player, a  
14             personal computer system, a television set-top-box and a personal computer  
15             system.

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17       8.     A computer readable storage medium storing instructions that, when  
18             executed on a programmed processor, carry out a process according to claim 1.  
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1        9.     A method of displaying a view of a scene on an electronic display,  
2        comprising:  
3            presenting a main window;  
4            presenting a picture-in-picture (PIP) window adjacent the main window;  
5            receiving a transport stream;  
6            receiving a first and a second image from the transport stream, wherein the  
7        first and second images are identified within the transport stream by first and  
8        second packet identifiers respectively, wherein the first and second images overlap  
9        one another by at least 50%, and wherein the first and second image are taken by  
10       multiple camera angles from a single camera location;  
11           removing a portion of the first image and displaying a remainder of the first  
12       image in the main window;  
13           removing a portion of the second image and displaying a remainder of the  
14       second image in the PIP window;  
15           wherein, a composite image comprising the remainder of the first image  
16       displayed adjacent the remainder of the second image provides a selected view  
17       extracted from a total scene captured in the sum of the first and second images;  
18           the method further comprising:  
19           receiving a command to pan the view;  
20           identifying portions of the first and second images to remove in order to  
21       create the remainder of the first image and the remainder of the second image to  
22       produce the panned view;  
23           removing the identified portions of the first and second images to create the  
24       remainder of the first image and the remainder of the second image to produce the  
25       panned view; and  
26           displaying the panned view by displaying the remainder of the first image  
27       and the remainder of the second image in the main and PIP windows respectively.  
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1        10.    A device for producing a view of a scene, comprising:  
2            a demultiplexer that receives an input stream as an input and produces a  
3        first video stream and a second video stream as outputs, wherein the first video  
4        stream represents a first video image of the scene and wherein the second video  
5        stream represents a second video image of the scene;  
6            a main decoder receiving the first video stream;  
7            a secondary decoder receiving the second video stream;  
8            means for removing portions of the first and second images to leave  
9        remaining portions of the first and second images;  
10          an image combiner that combines the first and second images to produce  
11        a composite image, wherein the composite image represent a view of the scene.  
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13        11.    The device according to claim 10, wherein the composite image is displayed  
14        in a pair of adjacent windows.  
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16        12.    The device according to claim 10, wherein the first and second image are  
17        created taken by multiple camera angles from a single camera location.  
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19        13.    The device according to claim 10, wherein the composite image is displayed  
20        on a television display, and wherein the secondary window comprises a picture-in-  
21        picture window.  
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23        14.    The device according to claim 10, wherein the first and second images are  
24        identified within a transport stream by first and second packet identifiers  
25        respectively, and wherein the demultiplexer demultiplexes the transport stream by  
26        packet filtering.  
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28        15.    The device according to claim 10, wherein the first and second images are  
29        identified within a recorded medium by first and second packet identifiers  
30        respectively.

1       16.    The device according to claim 10, further comprising:  
2            an interface for receiving a command to pan the view in order to present a  
3       panned view;  
4            a controller that identifies portions of the first and second images to remove  
5       to create the remainder of the first image and the remainder of the second image  
6       to produce the panned view; and  
7            means for removing the identified portions of the first and second images to  
8       create the remainder of the first image and the remainder of the second image to  
9       produce the panned view.

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11       17.    The device according to claim 10, embodied in one of a DVD player, a  
12       personal computer system, a television and a television set-top-box.  
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1        18.    A method of creating multiple images for facilitating display of a selected  
2        panned view of a scene, comprising:

3                capturing a first image of a scene from a location using a first camera angle;  
4                capturing a second image of the scene from the location using a second  
5        camera angle, wherein the first and second images have at least 50% overlap;  
6                associating the first image with a first packet identifier;  
7                associating the second image with a second packet identifier; and  
8                formatting the first and second images in a digital format.

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10        19.    The method according to claim 18, wherein the digital format comprises an  
11        MPEG compliant format.

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13        20.    The method according to claim 18, further comprising storing the first and  
14        second images in the digital format.

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16        21.    The method according to claim 18, further comprising transmitting the first  
17        and second images in a digital transport stream.

- 1        22.    A method of displaying an image on an electronic display, comprising:  
2            presenting a main window;  
3            presenting a secondary window adjacent the main window;  
4            providing a first and a second image, wherein the first and second images  
5            overlap one another;  
6            stitching together the first and second images to produce a panoramic  
7            image; and  
8            from the panoramic image, generating first and second display images for  
9            display in the main and secondary windows such that a view from the panoramic  
10          image spans the main and secondary windows.
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- 12        23.    The method according to claim 22, further comprising:  
13            displaying the a first display image in the main window; and  
14            displaying the second display image in the secondary image window.
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- 16        24.    The method according to claim 22, wherein the first and second image are  
17            created from images taken by multiple camera angles from a single camera  
18            location.
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- 20        25.    The method according to claim 22, wherein the view is displayed on a  
21            television display, and wherein the secondary window comprises a picture-in-  
22            picture window.
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- 24        26.    The method according to claim 22, wherein the first and second images are  
25            identified within a transport stream by first and second packet identifiers  
26            respectively.
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- 28        27.    The method according to claim 22, wherein the first and second images are  
29            identified within a recorded medium by first and second packet identifiers  
30            respectively.

- 1        28.    The method according to claim 22, further comprising:  
2            receiving a command to pan the view;  
3            identifying portions of the panoramic image that represent the panned view;  
4        and  
5            generating first and second display images for display in the main and  
6        secondary windows such that the panned view from the panoramic image spans  
7        the main and secondary windows.  
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9        29.    The method according to claim 22, carried out in one of a DVD player, a  
10       personal computer system, a television and a television set-top-box.  
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12       30.    A computer readable storage medium storing instructions that, when  
13       executed on a programmed processor, carry out a process according to claim 22.  
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- 1        31.    A method of displaying a view of a scene on an electronic display,  
2            comprising:  
3            presenting a main window;  
4            presenting a secondary window adjacent the main window;  
5            providing a first and a second image, wherein the first and second images  
6            overlap one another by J%;  
7            removing a portion of the first image and displaying a remainder of the first  
8            image in the main window;  
9            removing a portion of the second image and displaying a remainder of the  
10          second image in the secondary window; and  
11          wherein, a composite image comprising the remainder of the first image  
12          displayed adjacent the remainder of the second image provides a selected view  
13          extracted from a total scene captured in the sum of the first and second images.  
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- 15        32.    The method according to claim 31, further comprising selecting a size of the  
16          main window and selecting a size of the secondary window.  
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- 18        33.    The method according to claim 31, wherein  $J < 50\%$ .  
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- 20        34.    The method according to claim 31, wherein the first and second image are  
21          taken by multiple camera angles from a single camera location.  
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- 23        35.    The method according to claim 31, wherein the composite image is  
24          displayed on a television display, and wherein the secondary window comprises  
25          a picture-in-picture window.  
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- 27        36.    The method according to claim 31, wherein the first and second images are  
28          identified within a transport stream by first and second packet identifiers  
29          respectively.  
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1        37.    The method according to claim 31, wherein the first and second images are  
2 identified within a recorded medium by first and second packet identifiers  
3 respectively.

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5        38.    The method according to claim 31, further comprising:  
6            receiving a command to pan the view;  
7            identifying portions of the first and second images to remove in order to  
8 create the remainder of the first image and the remainder of the second image to  
9 produce the panned view;  
10          removing the identified portions of the first and second images to create the  
11 remainder of the first image and the remainder of the second image to produce the  
12 panned view;  
13          selecting a size of the main window;  
14          selecting a size of the secondary window; and  
15          displaying the panned view by displaying the remainder of the first image  
16 and the remainder of the second image in the main and secondary windows  
17 respectively.

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19        39.    The method according to claim 31, carried out in one of a DVD player, a  
20 personal computer system, a television set-top-box and a personal computer  
21 system.

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23        40.    A computer readable storage medium storing instructions that, when  
24 executed on a programmed processor, carry out a process according to claim 31.  
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